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Data warehouses and on-line analytical processing (OLAP) tools have become essential elements of decision support systems. Traditionally, data warehouses are refreshed periodically (for example, nightly) by extracting, transform cleaning and consolidating ...

2 [The basis for bibliomining: Frameworks for bringing together usage-based data mining and bibliometrics through data warehousing in digital library services](#)[Scott Nicholson](#)

May 2006

Information Processing and Management: an International Journal, Volume 42 Issue 3**Publisher:** Pergamon Press, Inc.**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

Over the past few years, data mining has moved from corporations to other organizations. This paper looks at the integration of data mining in digital library services. First, bibliomining, or the combination of bibliometrics and data mining techniques ...

Keywords: Bibliomining, Data mining, Data warehousing, Digital libraries, Evaluation, Library evaluation, Library measurement, Theory

3 [MAD skills: new analysis practices for big data](#)[Jeffrey Cohen](#), [Brian Dolan](#), [Mark Dunlap](#), [Joseph M. Hellerstein](#), [Caleb Walton](#)

August 2009

Proceedings of the VLDB Endowment, Volume 2 Issue 2**Publisher:** VLDB EndowmentFull text available: [PDF](#) (753.83 KB)**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 216, Downloads (Overall): 216, Citation Count: 5

As massive data acquisition and storage becomes increasingly affordable, a wide variety of enterprises are employing statisticians to engage in sophisticated data analysis. In this paper we highlight the emerging practice of Magnetic Agile, Deep (MAD) ...

4 [An overview of data warehousing and OLAP technology](#)[Sourjit Chaudhuri](#), [Umeshwar Daval](#)

March 1997

SIGMOD Record, Volume 26 Issue 1**Publisher:** ACMFull text available: [PDF](#) (101.60 KB)**Bibliometrics:** Downloads (6 Weeks): 324, Downloads (12 Months): 2260, Downloads (Overall): 12993, Citation Count: 5

Data warehousing and on-line analytical processing (OLAP) are essential elements of decision support, which has increasingly become a focus of the database industry. Many commercial products and services are now available, all of the principal database ...

5 [The role of data warehousing in bioterrorism surveillance](#)[Donald J. Berdel](#), [John W. Fisher](#), [Jamie Griffiths](#), [Craighead](#), [Alan R. Heyner](#), [Stephen Luther](#), [James Studnicki](#)

August 2007

Decision Support Systems, Volume 43 Issue 4**Publisher:** Elsevier Science Publishers B. V.**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 3

The development of an effective bioterrorism surveillance system requires effective solutions to several critical challenges. The system must support multidimensional historical data, provide real-time surveillance of sensor data have the capability ...

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Keywords: Bioterrorism, Bioterrorism surveillance system, Data analytics, Data warehousing, Online analytic processing (OLAP), Spatial analytics

6 [Empirical validation of the Classic Change Curve on a software technology change project](#)

[Motevi Nikula, Christian Jurvanen, Orlene Götai, Donald C Gause](#)

June 2010

Information and Software Technology, Volume 52 Issue 6

Publisher: Butterworth-Heinemann

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

Context: New processes, tools, and practices are being introduced into software companies at an increasing rate. each new advance in technology, software managers need to consider not only whether it is time to change the technologies currently ...



Keywords: Change resistance, Classic Change Curve, Organisational change, Organisational performance, Techn S-curve, Technology change

7 [Communications of the ACM: Volume 52 Issue 8](#)

August 2009

Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (5.55 MB)



Bibliometrics: Downloads (6 Weeks): 137, Downloads (12 Months): 137, Downloads (Overall): 137, Citation Count: 0

8 [Communications of the ACM: Volume 51 Issue 11](#)

November 2008

Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (8.26 MB)

Bibliometrics: Downloads (6 Weeks): 146, Downloads (12 Months): 146, Downloads (Overall): 3000, Citation Count:

9 [Synergy between data warehousing and knowledge management: three industries reviewed](#)

[Denise Johnson McManus, Charles A. Snyder](#)

July 2003

International Journal of Information Technology and Management, Volume 2 Issue 1-2

Publisher: Inderscience Publishers

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 2

Data warehousing is believed to be a competitive necessity. The management of knowledge supports the competitive advantage of organisations. Therefore, the effective use of data warehousing to store knowledge can be instrumental supporting the competitive ...


Keywords: corporate memory, data mining, data warehousing, information, information management, intellectual capital, knowledge harvesting, knowledge management, knowledge sharing, telecommunications

10 [Development and implementation of an institutional repository within a science, engineering and technology \(SET\) environment](#)

[A. van der Merwe, J.H. Kroeze](#)

October 2008 **SAI CSIT '08:** Proceedings of the 2008 annual research conference of the South African Institute of Computer Scientists and Information Technologists on IT research in developing countries: riding the wave of technology

Publisher: ACM

Full text available:  Pdf (384.70 KB)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 116, Downloads (Overall): 215, Citation Count: 0

Parallel to the Open Source Software movement, there is an increased demand and need for free, open access to information resources. The Open Access Initiative is characterized by two strategies: namely the promotion of self archiving or, alternatively, ...

Keywords: full text access, institutional repositories, open access, research documentation, research publications

11 [Interacting with \(semi-\) automatically extracted context of digital objects](#)




[Rudolf Mayer, Robert Neumayer, Andreas Rauber](#)

June 2009

CIAO '09: Proceedings of the 1st Workshop on Context, Information and Ontologies


Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (440.69 KB)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 35, Downloads (Overall): 72, Citation Count: 0

The context in which digital objects are created, modified, or used is essential for the interpretation of information entities, for retrieval settings, for establishing their authenticity, as well as ensuring appropriate use. Therefore, determining ...


12 [Papyrus: a system for data mining over local and wide area clusters and super-clusters](#)

 [S. Bailey, B. Grossman, H. Sivakumar, A. Iurmsky](#)

January 1999


Supercomputing '99: Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available:  [Pdf](#) (538.23 KB)


Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 21, Downloads (Overall): 512, Citation Count: 25

13 [Efficiently querying archived data using Hadoop](#)

 [Rajeev Gupta, Himanshu Gupta, Ullas Nambiar, Mukesh Mohania](#)

October 2010 **CI KM '10:** Proceedings of the 19th ACM international conference on Information and knowledge management

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (497.58 KB)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 7, Downloads (Overall): 7, Citation Count: 0

The need to analyze structured data for various business intelligence applications such as customer churn analysis, social network analysis, telecom network monitoring etc., is well known. However, the potential size to which such will scale in ...

Keywords: data archival, data warehouse, hadoop, query, response time

14 [Antecedents of open source software defects: A data mining approach to model formulation, validation and testing](#)

[Uma Raja, Marietta J. Jretter](#)

December 2009

Information Technology and Management, Volume 10 Issue 4


Publisher: Kluwer Academic Publishers

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

This paper develops tests and validates a model for the antecedents of open source software (OSS) defects, using and Text Mining. The public archives of OSS projects are used to access historical data on over 5,000 active and mature OSS projects. ...

Keywords: Data mining, Model building, Open source software, Project performance, Text mining


15 [Shape-based retrieval and analysis of 3D models](#)

 [Thomas Funkhouser, Michael Kazhdan](#)

August 2004

SIGGRAPH '04: SIGGRAPH 2004 Course Notes

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (12.56 MB)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 442, Downloads (Overall): 5529, Citation Count: 3

Large repositories of 3D data are rapidly becoming available in several fields, including mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find ...

16 [Methodological Review: Cloud computing: A new business paradigm for biomedical information sharing](#)

[Anon Beneshai, Peter Moik, Maya Hap Li, Jean Stanford, David Koester, Patti Reynolds](#)

April 2010

Journal of Biomedical Informatics, Volume 43 Issue 2

Publisher: Elsevier Science

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

We examine how the biomedical informatics (BMI) community, especially consortia that share data and applications can take advantage of a new resource called "cloud computing". Clouds generally offer resources on demand. In the clouds, charges are ...

Keywords: Bioinformatics, Cloud computing, Cost-benefit analysis, Data sharing, Distributed computing, Security

17 [Algorithms and data structures for external memory](#)[Jeffrey Scott Vitter](#)

January 2008

Foundations and Trends® in Theoretical Computer Science, Volume 2 Issue 4**Publisher:** Now Publishers Inc.**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 5

Data sets in large applications are often too massive to fit completely inside the computer's internal memory. The resulting input/output communication (or I/O) between fast internal memory and slower external memory (such as disks) can be a major performance ...

18 [An adaptive partitioning approach for mining discriminant regions in 3D image data](#)[Vasilios Megalooikonomou](#), [Despina Kontos](#), [Dragoljub Pokrajac](#), [Aleksandar Lazarevic](#), [Zoran Obradovic](#)

December 2008


Journal of Intelligent Information Systems, Volume 31 Issue 3**Publisher:** Kluwer Academic Publishers**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

Mining discriminative spatial patterns in image data is an emerging subject of interest in medical imaging, meteor engineering, biology, and other fields. In this paper, we propose a novel approach for detecting spatial regions that highly ...

Keywords: 3D images, Adaptive partitioning, Classification, Data mining, Image databases, Intelligent knowledge discovery, Statistical pattern analysis

19 [Multidimensional content eXploration](#)[Aikis Samitsis](#), [Akanksha Baid](#), [Yannis Sismanis](#), [Berthold Reinwald](#)


August 2008

Proceedings of the VLDB Endowment, Volume 1 Issue 1**Publisher:** VLDB EndowmentFull text available:  [Pdf](#) (785.61 KB)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 70, Downloads (Overall): 211, Citation Count: 5

Content Management Systems (CMS) store enterprise data such as insurance claims, insurance policies, legal documents, patent applications, or archival data like in the case of digital libraries. Search over content allows for information retrieval, but ...

20 [The LHAM log-structured history data access method](#)[Peter Muth](#), [Patrick O'Neil](#), [Achim Pick](#), [Gerhard Weikum](#)

February 2000

The VLDB Journal — The International Journal on Very Large Data Bases, Volume 8 Issue 1**Publisher:** Springer-Verlag New York, Inc.Full text available:  [Pdf](#) (494.76 KB)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 56, Downloads (Overall): 396, Citation Count: 6

Numerous applications such as stock market or medical information systems require that both historical and current data be logically integrated into a temporal database. The underlying access method must support different forms "time-travel" ...

Keywords: Data warehouses, Index structures, Performance, Storage systems, Temporal databases

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